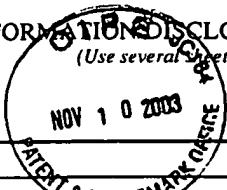


FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY DOCKET NO. 15268-0008	SERIAL NO. 10/689,318
INFORMATION DISCLOSURE STATEMENT <i>(Use several sheets if necessary)</i>		APPLICANT Stamper et al.	
		FILING DATE October 20, 2003	GROUP Unknown



U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPLICABLE
<i>tw</i>	AA	2,706,982	04/26/1955	Hale et al.			
	AB	3,072,118	01/08/1963	Standerwick			
	AC	3,099,441	07/30/1963	Ries			
	AD	3,604,412	09/14/1971	Gardner			
	AE	4,444,179	04/24/1984	Trippi			
	AF	4,541,421	09/17/1985	Iversen et al.			
	AG	4,620,530	11/04/1986	Lanier et al.			
	AH	4,667,660	05/26/1987	Eingorn			
	AI	4,735,196	04/05/1988	Krag et al.			
	AJ	5,042,462	08/27/1991	Bremer			
<i>tw</i>	AK	5,062,415	11/05/1991	Weatherby et al.			

FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
							YES NO
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OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)							
<i>tw</i>	AR	Bernardoni CO, Gene, "The Halo Part I," http://www.ballert.com					
		Bernardoni CO, Gene, "Part II Application of the Halo to the Patient," http://www.ballert.com					
<i>tw</i>	AT	Bernardoni CO, Gene, "Part III Problems Which May Arise With Halo Fixation," http://www.ballert.com					
EXAMINER				DATE CONSIDERED			
<i>Mandala Wicker</i>				<i>12/16/04</i>			

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered.
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U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPLICABLE
AN	BA	5,109,835	05/05/1992	McDonald			
	BB	5,156,588	10/20/1992	Marcune et al.			
	BC	5,171,296	12/15/1992	Herman			
	BD	5,203,765	04/20/1993	Friddle, Jr.			
	BE	5,261,873	11/16/1993	Bremer et al.			
	BF	5,378,042	01/03/1995	Daneshvar			
	BG	5,456,266	10/10/1995	Brown			
	BH	5,537,704	07/23/1996	Dinkler			
	BI	5,624,387	04/29/1997	McGuiness			
	BJ	5,674,186	10/07/1997	Guigui et al.			
AN	BK	5,697,895	12/16/1997	Bremer			

FOREIGN PATENT DOCUMENTS							TRANSLATION	
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	BN							
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	BP							
	BQ							

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)						
AN	BR	Bernardoni CO, Gene, "Part IV A Clinical Review of the Use of the Halo," http://www.ballert.com				
AN	BS	Bernardoni CO, Gene, "Part V Major Available Halo Systems," http://www.ballert.com				
AN	BT	Botte, Michael J. et al., "The Halo Skeletal Fixator (Principles of Application and Maintenance)," http://www.ballert.com				
		Clinical Orthopaedics and Related Research, No. 239 Feb. 1989.				

EXAMINER	DATE CONSIDERED
<i>Mcanda Weicker</i>	12/10/04

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PATENT & TRADEMARK OFFICE
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U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPLICABLE
AW	CA	5,961,528	10/05/1999	Birk et al.			
AW	CB	5,984,836	11/16/1999	Casali			
AW	CC	6,179,846	01/30/2001	McFadden			
	CD						
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FOREIGN PATENT DOCUMENTS							
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OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)							
AW	CR	Fleming, Braden C., et al., "Pin Loosening in a Halo-Vest Orthosis," SPINE Vol. 25, No. 11, pp 1325-1331, published in 2000 by Lippincott Williams & Wilkins, Inc.					
AW	CS	Ballock, R. Tracy, et al., "The Effect of Pin Location on the Rigidity of the Halo Pin-Bone Interface," Vol. 26, No. 2, 1990, <u>BioMechanics of Halo Pin Fixation</u> , February 1990.					
AW	CT	Voor, Micheal J. and Cyna Khajily, "Halo pin loosening: a biomechanical comparison of experimental and conventional designs," <u>Journal of Biomechanics</u> , 1998.					
EXAMINER <i>Amanda Wicker</i>				DATE CONSIDERED <i>12/10/04</i>			
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OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)							
<i>JW</i>	DR	Nickel, V., et al., "The Halo: A Spinal Skeletal Traction Fixation Device," <i>Clinical Orthopaedics and Related Research</i> , No. 239, February 1989.					
<i>JW</i>	DS	Fleming, Braden C., et al., "Pin force measurement in a holo-vest orthosis, <i>in vivo</i> ," <i>Journal of Biomechanics</i> , Vol. 31, 1998, 647-651.					
<i>JW</i>	DT	S. Liu, et al., "The Effect of Local Halo Pin Care Reagents on Cranial Radia Compressive Stress (When Tightening Halo Pins)," <i>Journal of Prosthetics and Orthotics</i> , Vol. 5, No. 3, 67-72, 1993.					

EXAMINER <i>Amanda Weller</i>	DATE CONSIDERED 12/10/04
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JW	ER	Botte, M., et al., "Application of the Halo Device for Immobilization of the Cervical Spine Utilizing an Increased Torque Pressure," <i>The Journal of Bone and Joint Surgery</i> , Vol. 69, No. 5, 1987.					
JW	ES	Letts, M., et al., "Mechanical Evaluation of Four-Versus Eight-Pin Halo Fixation," <i>Journal of Pediatric Orthopaedics</i> , Vol. 17, 121-124, 1997.					
JW	ET	Garfin, S., et al., "Structural Behavior of the Halo Orthosis Pin-Bone Interface: Biomechanical Evaluation of Standard and Newly Designed Stainless Steel Halo Fixation Pins," <i>Spine</i> , Vol. 11, No. 10, 1986					
EXAMINER Amanda Wicker				DATE CONSIDERED 10/10/04			
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U.S. PATENT DOCUMENTS							
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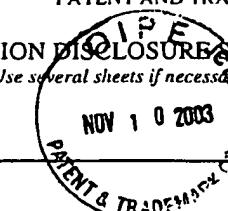
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)							
<i>JW</i>	<i>FR</i>	Vertullo, Christopher J., et al., "Pin-Site Complications of the Halo Thoracic Brace With Routine Pin Re-Tightening," <i>Spine</i> , Vol. 22, No. 21, pp. 2514-2516					
<i>JW</i>	<i>FS</i>	Tsai, L. and Stamper, R., "A Parallel Manipulator with Only Translational Degrees of Freedom" <i>Proceedings of the 1996 ASME Design Engineering Technical and Computers in Engineering Conference</i> , MECH: 1152, 1996					
<i>JW</i>	<i>FT</i>	Bullock, Stacy J. and Runciman, R. John, "Biomechanical evaluation of two halo pin design, with, and without, intact periosteum", <i>Journal of Biomechanics</i> , 2001, pp. 129-133.					
EXAMINER <i>Manda Weker</i>				DATE CONSIDERED <i>12/6/03</i>			

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U.S. PATENT DOCUMENTS							
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	GQ						
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)							
<i>AW</i>	GR	Triggs, Kevin J., MD, et al., "The Effect of Angled Insertion on Halo Pin Fixation," <u>Division of Orthopaedics and Rehabilitation, University of California, 1988.</u>					
<i>AW</i>	GS	Norton, Robert L., <u>Design of Machinery</u> , 2 nd Edition, McGraw-Hill, copyright 1999, ISBN: 0-07-048395-7, pp. 28-32.					
<i>AW</i>	GT	Tsai, Lung-Wen, <u>Mechanism Design: Enumeration of Kinematic Structures According to Function</u> , CRC Press, copyright 2000, ISBN: 0-8493-0901-8, pp. 66-70.					
EXAMINER <i>Amber Nielsen</i>				DATE CONSIDERED <i>12/16/04</i>			
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U.S. PATENT DOCUMENTS							
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	HN						
	HO						
	HP						
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OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)							
<i>SW</i>	HR	PMT Corp., Halo Systems, PMT Model 1233, http://www.pmtcorp.com/halo.htm .					
<i>SW</i>	HS	Tsai, Lung-Wen, <u>Robert Analysis – The Mechanics of Serial and Parallel Manipulators</u> , John Wiley and Sons (1999), pp. 9-15					
<i>SW</i>	HT	Norton, Robert L., <u>Design of Machinery – An Introduction To The Synthesis and Analysis of Mechanisms and Machines</u> , McGraw-Hill (1999), Section 2.7					
EXAMINER <i>Manda Weicker</i>				DATE CONSIDERED <i>12/16/04</i>			
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